

# BULLETIN

## OF THE INSTITUTE OF METALS

VOLUME 3

JUNE 1956

PART 10

### INSTITUTE NEWS

#### Institute's New Headquarters

##### First List of Donations to the House Fund

In a special message to members, in the February issue of the *Bulletin*, the President announced that the Council had resolved to acquire No. 17 Belgrave Square, London, S.W.1, as a new Headquarters of the Institute, which—incidentally—celebrates its Jubilee in 1958. A photograph of the Institute's new home is printed in this issue, on p. 85.

The rapid growth of the Institute's membership and of the sale of its publications during the past ten years, together with very considerable increases in its activities and publications, have made it essential to obtain more room for its headquarters, and the Council has been fortunate to be able to acquire a lease of approximately 80 years of No. 17 Belgrave Square, which will provide a dignified new home for the Institute and space for future development. The house is situated between the new headquarters of the Society of Chemical Industry and the Austrian Embassy.

By agreement with the Council of The Iron and Steel Institute, the Joint Library will remain at 4 Grosvenor Gardens, but the Institute's new headquarters will contain a members' room (in which current issues of scientific and technical periodicals can be consulted), members' cloakroom and lavatories, and a properly-equipped Lecture Room, which will accommodate about 150 people.

The cost of purchasing the lease, carrying out the necessary minor alterations, and furnishing the building will amount to not less than £50,000. Donations to the House Fund, to enable the Council to meet this heavy commitment, from companies and associations connected with the metallurgical and engineering industries, and from individual members, will be greatly appreciated. In this connection, a donation form will be found in this issue of the *Bulletin*. Contributions should be made payable to "The Institute of Metals House Fund" and addressed to the Secretary.

The Council gratefully acknowledges the following generous donations to the House Fund:

	£	s.	d.
*British Aluminium Company, Ltd., The	3500	0	0
*Imperial Chemical Industries, Ltd.	3500	0	0
Mond Nickel Company, Ltd., The	3000	0	0
*Northern Aluminium Co., Ltd.	3000	0	0
Cold-Rolled Brass and Copper Association	1500	0	0
*Consolidated Zinc Corporation, Ltd., The	1050	0	0
Extruded Brass and Copper Alloy Association	1000	0	0
Hughes (F. A.) and Co., Ltd.	1000	0	0
Magnesium Elektron, Ltd.	1000	0	0

	£	s.	d.
Sheffield Local Section (balance of 1955 Autumn Meeting Hospitality Fund)	436	8	8
International Tin Research Council	250	0	0
De Havillands Holdings, Ltd.	100	0	0
Head, Wrightson Machine Co., Ltd.	100	0	0
Telegraph Construction and Maintenance Co., Ltd.	100	0	0
*Smout, Sir Arthur	52	10	0
British Oxygen Co., Ltd.	50	0	0
International Alloys, Ltd.	50	0	0
*Jones, Mr. E. H.	43	9	2
Ball, Major C. J. P.	25	0	0
Brazener, Mr. W. F.	25	0	0
Colquhoun, Mr. J. C.	25	0	0
Cook, Dr. Maurice	25	0	0
Dorey, Dr. S. F.	25	0	0
Hamer, Mr. R. D.	25	0	0
Preston, The Hon. R. M.	25	0	0
Seligman, Dr. Richard	25	0	0
Smithells, Dr. C. J.	25	0	0
Teed, Major P. Litherland	25	0	0
Tinker, Mr. G. P.	25	0	0
*Alkins, Dr. W. E.	24	6	6
Ballard, Mr. W. E.	15	15	0
Bond-Williams, Mr. N. I.	15	15	0
Holden, Mr. C. H. M.	15	15	0
*Richards, Dr. T. Ll.	12	3	3
Dono, Mr. G. E.	10	10	0
Ford, Professor H.	10	10	0
Gadd, Mr. E. R.	10	10	0
Humphreys, Mr. O. W.	10	10	0
Jenkins, Dr. Ivor	10	10	0
Miller, Mr. H. J.	10	10	0
Berry, Mr. J. W.	10	0	0
Francis-Carter, Mr. C. F. J.	10	0	0
Powell, Mr. A. R.	10	0	0
Thompson, Professor F. C.	10	0	0
O'Neill, Professor H.	7	7	0
Bailey, Mr. G. L.	5	5	0
Bolton, Mr. E. A.	5	5	0
Burn, Mr. R. D.	5	5	0
Chadwick, Mr. R.	5	5	0
Cowley, Mr. C. L. M.	5	5	0
Cuthbertson, Professor J. W.	5	5	0
Dannatt, Professor C. W.	5	5	0
Dawson, Mr. J.	5	5	0
Dunlop, Mr. W. A.	5	5	0
Edwards, Dr. A.	5	5	0
Govier, Mr. W. L.	5	5	0
Hunt, Dr. L. B.	5	5	0
Inglis, Dr. N. P.	5	5	0

\* Donation under covenant. The amount stated is the total to be received, including tax recoverable at the present standard rate, where applicable.



	£	s.	d.
Keating, Mr. F. H.	5	5	0
Murphy, Professor A. J.	5	5	0
Murray, Mr. G.	5	5	0
Quarrell, Professor A. G.	5	5	0
Ramsay, Dr. A. G.	5	5	0
Tomlinson, Mr. F. W.	5	5	0
Walton, Mr. J. S.	5	5	0
West, Dr. E. G.	5	5	0
Beet, Mr. F.	5	0	0
Benson, Dr. L. E.	5	0	0
Chatwin, Mr. S. S.	5	0	0
Larke, Mr. Eustace C.	5	0	0
Smith, Mr. Christopher	5	0	0
Smith, Mr. S. S.	5	0	0
Tasker, Mr. H. S.	5	0	0
Baker, Dr. W. A.	3	3	0
Davies, Mr. W. H.	3	3	0
Jenkin, Dr. J. W.	3	3	0
Brown, Mr. R. J.	2	2	0
Challis, Mr. H. J. G.	2	2	0
Hancock, Mr. P. F.	2	2	0
Heeley, Mr. E. J.	2	2	0
Temple, Mr. S. G.	2	2	0
Cotton, Mr. J. B.	1	1	0
Preece, Mr. R. L.	1	1	0
Ball, Professor J. G.	1	0	0
Anonymous	1	0	0

### Election of New Fellow :

#### Dr. R. A. Wilkins

DR. R. A. WILKINS has been elected a Fellow in recognition of his outstanding services to the Institute, particularly as Corresponding Member to the Council for the U.S.A. The number of Fellows is at present limited to twelve, and Dr. Wilkins is the first member resident outside the British Isles to be elected.

Richard A. Wilkins was born in Massachusetts, in 1896, and graduated in Chemical Engineering from the Massachusetts Institute of Technology in 1918. During the First World War he was in command of the Laboratory of the Offence Section, Development Division, Chemical Warfare Service. Subsequently, Dr. Wilkins was Chemical Engineer in the Lynite Laboratories, Cleveland, O.; Assistant Professor of Chemical Engineering, Massachusetts Institute of Technology; and Vice-President, Industrial Development Corporation. In 1930 he joined Revere Copper and Brass, Inc., as Metallurgical Manager, later becoming Vice-President and Director of Research.



### Election of Members

The following 1 Overseas Sustaining Member, 16 Ordinary Members, 3 Junior Members, and 4 Student Members were elected on 16 May 1956:

#### As Overseas Sustaining Member

FONDERIE BOILLAT S.A., Reconvilier, Switzerland.

#### As Ordinary Members

AFFOLTER, Willy, Dipl.-Ing., Zeitstudieningenieur, Metallwerke A.G., Dornach, Switzerland.  
 ATWELL, John William, M.Sc., A.R.T.C., M.I.Mech.E., Works Director, G. and J. Weir, Ltd., Cathcart, Glasgow, S.4.  
 BROWN, Robert Harry, B.S., S.M. (Ch.E.), Chief, Chemical Metallurgy Division, Aluminum Research Laboratories, Aluminum Company of America, P.O. Box 772, New Kensington, Pa., U.S.A.  
 CABANE, Gérard, Ing.-doct., Chef de la Section de Métallurgie Chimique, Commissariat à l'Energie Atomique, Département de Métallurgie et Chimie Appliquée, Saclay, France.  
 CAMENISCH, Kurt P., Dr.-phil., Chemist and Metallurgist, Metallwerke A.G., Dornach, Switzerland.  
 FRINK, Russell M., Director of Operations, Wolverine Tube Division of Calumet and Hecla, Inc., 1411 Central Avenue, Detroit 9, Mich., U.S.A.  
 HARTMANN, Robert F., B.S. (Met. Eng.), M.S. (Auto. Eng.), Olin Mathieson Chemical Corporation, Research and Development Department, Metals Division, East Alton, Ill., U.S.A.  
 HONKALA, Harold E., B.S., Technical Supervisor, Wolverine Tube Division of Calumet and Hecla, Inc., Decatur, Ala., U.S.A.  
 KURTZ, Jacob, B.S., President, Kulite Tungsten Corporation, 723 Sip Street, Union City, N.J., U.S.A.  
 MUNTANER COLL, Jorge S., Dr. Quím., Químico Metalurgico, La Cantabrica, 3 Arroyos 329, Moron-Pcia, Buenos Aires, Argentina.  
 NICHOLSON, Professor Morris Emmons, Sc.D., Professor of Metallurgical Engineering, University of Minnesota, Appleby Hall, Minneapolis 14, Minn., U.S.A.  
 O'CONNOR, D., Metallurgist, International Harvester Co. (Great Britain), Ltd., Wheatley Hall Road, Doncaster.  
 REFOY, Paul Thor, L.I.M., Metallurgist, D. Napier and Son, Ltd., 211 The Vale, Acton, London, W.3.  
 SLATER, Derek, B.Sc., Assistant Metallurgist, The A.P.V. Co., Ltd., Manor Royal, Crawley, Sussex.  
 STROUP, Philip Trimble, A.M., Ph.D., Assistant Director of Research, Alcoa Research Laboratories, Aluminum Company of America, P.O. Box 772, New Kensington, Pa., U.S.A.  
 WEBB, Thomas Basil, B.Sc., M.I.Mech.E., Engineer, Babcock and Wilcox, Ltd., Babcock House, Farringdon Street, London, E.C.4.

#### As Junior Members

COOPER, Michael John, B.Sc., Research Chemist, Laporte Titanium, Ltd., Kingsway, Luton, Bedfordshire.  
 REED, Alexander Charles, Senior Technical Assistant, Teddington Refrigeration Controls, Ltd., Windmill Lane, Sunbury-on-Thames, Middx.  
 ROTSEY, Walter Brian, B.Met., Ph.D., Metallurgist, Atomic Power Department, The English Electric Co., Ltd., Cambridge Road, Whetstone, nr. Leicester.

#### As Student Members

BLINCOW, Howard, Metallurgist, Hadfields, Ltd., East Hecla Works, Sheffield 9.  
 PALENTINE, John Edwin, Undergraduate, Department of Metallurgy, University of Sheffield.  
 SHORT, Douglas Alan, Undergraduate, Department of Metallurgy, University College, Swansea.  
 WARD, Alan Graham, L.I.M., Assistant Experimental Officer, Atomic Energy Research Establishment, United Kingdom Atomic Energy Authority, Harwell, Berks.





THE INSTITUTE'S NEW HEADQUARTERS  
17 Belgrave Square, London, S.W.1.



## COUNCIL 1956-57

**President :**

**Ball, Major C. J. P.**, D.S.O., M.C., F.R.Ae.S.; Member of the Management Committee of The Distillers Co., Ltd.; Chairman, Magnesium Elektron, Ltd.; Managing Director, F. A. Hughes and Co., Ltd.; Director, Magnesium Elektron, Inc. (U.S.A.); Director, Sterling Metals, Ltd.; Director, Turners Carbides, Ltd.

**Past-Presidents :**

**Cook, Maurice**, D.Sc., Ph.D., F.I.M.; Joint Managing Director, Imperial Chemical Industries Ltd., Metals Division.

**Dorey, S. F.**, C.B.E., D.Sc., F.R.S., M.I.Mech.E., M.I.C.E.; Chief Engineer Surveyor, Lloyd's Register of Shipping.

**Thompson, Professor F. C.**, D.Met., M.Sc., F.I.M.; Professor of Metallurgy, University of Manchester.

**Vice-Presidents :**

**Inglis, N. P.**, Ph.D., M.Eng., M.I.Mech.E., F.I.M.; Research Director, Imperial Chemical Industries, Ltd., Metals Division.

**Jenkins, Ivor**, D.Sc., F.I.M.; Chief Metallurgist, Research Laboratories of The General Electric Co., Ltd.

**Jones, E. H.**, A.R.I.C., M.I.M.M., F.I.M.; Joint Managing Director, Capper Pass and Son, Ltd.

**Pfeil, L. B.**, O.B.E., D.Sc., A.R.S.M., F.R.S., F.I.M.; Director, The Mond Nickel Co., Ltd.; Director, Henry Wiggin and Co., Ltd. (*Senior Vice-President*.)

**Teed, Major P. Litherland**, A.R.S.M., F.R.Ae.S., F.I.M., M.I.M.M.; Special Director, Vickers-Armstrongs (Aircraft), Ltd.

**Thomas, W. J.**, M.I.Mech.E., M.I.E.E.; Joint Managing Director, The British Aluminium Co., Ltd.; Director, North British Aluminium Co., Ltd.; Director, Imperial Magnesium Corporation, Ltd.; Chairman, William Mills, Ltd.; Director, Alumina Co., Ltd.; Director, Gold Coast Bauxite Co., Ltd.; Director, Aluminium Corporation, Ltd.; Director, British and Colonial Bauxite Co., Ltd.; Director, Alliance Aluminium Holdings, Ltd.; Director, Aluminium Wire and Cable Co., Ltd.; Director, Magnesium Elektron, Ltd.; Director, Canadian British Aluminium Co., Ltd.

**Honorary Treasurer :**

**Colquhoun, J. C.**, M.B.E.; Chairman and Managing Director, The Manganese Bronze and Brass Co., Ltd.; Chairman, Lightalloys Ltd., London.

**Ordinary Members of Council :**

**Bailey, G. L.**, C.B.E., M.Sc., F.I.M.; Director, British Non-Ferrous Metals Research Association.

**Baker, W. A.**, D.Sc., F.I.M.; Research Manager, British Non-Ferrous Metals Research Association.

**Benson, L. E.**, M.Sc., F.I.M.; Chief Metallurgist, Metropolitan-Vickers Electrical Co., Ltd.

**Berry, J. W.**, M.I.Mech.E.; Joint Managing Director, The Birmingham Aluminium Castings (1903) Co., Ltd.; Director, Birmid Industries, Ltd.; Director, Birmid Auto Castings Pty., Ltd. (Australia); Director, Cylinder Components, Ltd.

**Dono, G. E.**, J.P.; Director, Morris Motors, Ltd., and associated companies.

**Finniston, H. M.**, B.Sc., Ph.D., A.R.T.C., F.I.M.; Head of the Metallurgy Division, Atomic Energy Research Establishment.

**Ford, Professor Hugh**, D.Sc., Ph.D., Wh.Sch., M.I.Mech.E.; Professor of Applied Mechanics, Imperial College of Science and Technology, University of London.

**Francis-Carter, C. F. J.**, O.B.E., F.R.I.C., M.I.Chem.E., F.I.M.; Managing Director, Aluminium Wire and Cable Co., Ltd.

**Gadd, E. R.**, F.I.M.; Chief Metallurgist, Bristol Aero Engines, Ltd.

**Grimston, The Hon. John**, M.P.; Director and General Manager, Enfield Rolling Mills, Ltd.; Director, Enfield Copper Refining Co., Ltd.; Director, Enfield Rolling Mills (Aluminium), Ltd.; Director, Enfield Zinc Products, Ltd.; Director, London Zinc Mills, Ltd.; Director, Holloway Metal Roofs, Ltd.

**Hamer, R. D.**, B.Sc., F.I.M.; Vice-President and Director, Aluminium Laboratories Ltd.; Director, Magnesium Company of Canada, Ltd.

**Holden, C. H. M.**, F.I.M.; Managing Director, The Hall Street Metal Rolling Co., Ltd.; Managing Director, Charles Clifford, Ltd.; Director, Metallisation, Ltd.; Director, Metallisation (Scotland), Ltd.; Director, The Midland Laboratory Guild (1928), Ltd.

**Neave, D. P. C.**, M.A., M.I.Mech.E.; Vice-Chairman and Joint Managing Director, The Consolidated Zinc Corporation, Ltd.; Director, British Titan Products Co., Ltd.; Director, Broken Hill Corporation, Ltd.; Director, Capper Pass and Son, Ltd.; Director, Imperial Smelting Corporation, Ltd.; Director, James Bridge Copper Works, Ltd.; Director, National Alloys, Ltd.; Director, New Broken Hill Consolidated Co., Ltd.; Director, Wolverhampton Metal Co., Ltd.; Director, The Zinc Corporation, Ltd.

**O'Neill, Professor H.**, M.Met., D.Sc., F.I.M.; Professor of Metallurgy, University College, Swansea.

**Tinker, G. P.**, M.Sc., F.I.M.; Managing Director, Birlec Ltd.; Director, Maiden and Co., Ltd.

**Ex-officio : Chairmen of Local Sections****Birmingham**

**Hignett, H. W. G.**, B.Sc., F.R.I.C., F.I.M.; Technical Director, Henry Wiggin and Co., Ltd.

**London**

**Rhodes, E. C.**, Ph.D., B.Sc., F.R.I.C., F.I.M.; Assistant to the Manager, Development and Research Department, The Mond Nickel Co., Ltd.

**Oxford**

**Murray, G.**, M.Sc., F.I.M.; Chief Metallurgist, Pressed Steel Co., Ltd.

**Scottish**

**Dunlop, W. A.**; Director, J. R. McKellar (Alloys), Ltd.

**Sheffield**

**Edwards, A.**, Ph.D., B.Sc., F.I.M.; Technical Manager, Magnet Department, James Neill and Co. (Sheffield), Ltd.



**South Wales**

O'Neill, Professor H., M.Met., D.Sc., F.I.M.; Professor of Metallurgy, University College, Swansea.

**Committees for 1956-57**

**Finance and General Purposes Committee**

HAMER, Mr. R. D. (*Chairman*).  
COOK, Dr. Maurice.  
DOREY, Dr. S. F.  
GRIMSTON, The Hon. John.  
JONES, Mr. E. H.  
THOMAS, Mr. W. J.  
THOMPSON, Professor F. C.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
PFEIL, Dr. L. B. (*Senior Vice-President*).  
COLQUHOUN, Mr. J. C. (*Honorary Treasurer*).  
TEED, Major P. Litherland (*Chairman, Publication Committee*).

**House Committee**

COOK, Dr. Maurice (*Chairman*).  
COLQUHOUN, Mr. J. C.  
PFEIL, Dr. L. B.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
HAMER, Mr. R. D. (*Chairman, Finance and General Purposes Committee*).

**Library Committee**

CHASTON, Dr. J. C. (*Chairman*).  
CHILTON, Mr. L. V.  
FULLMAN, Mr. B.  
GUILLAN, Lieut.-Colonel S. C.  
PARKER, Miss E. W.

**Local Sections Committee**

PFEIL, Dr. L. B. (*Chairman*).  
ASHTON, Mr. A. B.  
GARSIDE, Dr. J. E.  
KENNETT, Dr. S. J.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
PFEIL, Dr. L. B. (*Senior Vice-President*).  
COLQUHOUN, Mr. J. C. (*Honorary Treasurer*).  
HIGNETT, Mr. H. W. G. (*Chairman, Birmingham Local Section*).  
MATTHEWS, Mr. A. W. (*Honorary Secretary, Birmingham Local Section*).  
RHODES, Dr. E. C. (*Chairman, London Local Section*).  
KNIGHT, Mr. J. R. (*Honorary Secretary, London Local Section*).  
MURRAY, Mr. G. (*Chairman, Oxford Local Section*).  
PEARCE, Mr. R. (*Honorary Secretary, Oxford Local Section*).  
DUNLOP, Mr. W. A. (*Chairman, Scottish Local Section*).  
HAY, Mr. Matthew (*Honorary Secretary, Scottish Local Section*).  
EDWARDS, Dr. A. (*Chairman, Sheffield Local Section*).  
MACDOUGALL, Mr. A. J. (*Honorary Secretary, Sheffield Local Section*).  
O'NEILL, Professor H. (*Chairman, South Wales Local Section*).  
DENNISON, Dr. J. P. (*Honorary Secretary, South Wales Local Section*).

**Metal Physics Committee**

O'NEILL, Professor H. (*Chairman*).  
AXON, Dr. H. J.  
BAILEY, Dr. G. L. J.  
CHRISTIAN, Dr. J. W.  
FINNISTON, Dr. H. M.  
FORSYTH, Mr. P. J. E.  
FRANK, Professor F. C.  
GEACH, Dr. G. A.  
HANSTOCK, Dr. R. F.  
KING, Dr. Ronald.  
NUTTING, Dr. J.  
OLIVER, Mr. D. A. (representing the Iron and Steel Institute and the British Iron and Steel Research Association).  
RICHARDS, Dr. T. Ll.  
RICHARDSON, Dr. F. D.  
WAKEMAN, Dr. D. W.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
TEED, Major P. L. (*Chairman, Publication Committee*).

**Metallurgical Engineering Committee**

FORD, Professor H. (*Chairman*).  
ASHTON, Mr. A. B.  
BAKER, Dr. W. A.  
BOLTON, Mr. E. A.  
BOND-WILLIAMS, Mr. N. I.  
BOWMAN, Mr. W. H.  
CLARKE, Mr. D. H. H.  
DAVIES, Mr. C. E.  
LAKE, Mr. N. C.  
MORTON, Mr. J. S.  
PATON, Mr. C. P.  
SALTER, Mr. J.  
SINGER, Professor A. R. E.  
WALTON, Mr. J. S.  
WILKINSON, Mr. R. G.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
TEED, Major P. L. (*Chairman, Publication Committee*).

**"Metallurgical Reviews" Executive Committee**

JENKINS, Dr. Ivor (*Chairman*).  
BAKER, Dr. W. A.  
CHASTON, Dr. J. C.  
FORD, Professor H.  
GADD, Mr. E. R.  
HOAR, Dr. T. P.  
NORTHCOTT, Dr. L. (representing the Institution of Metallurgists).  
RAYNOR, Professor G. V.  
SALTER, Mr. J.  
SCHEUER, Dr. E.  
SMITH, Mr. S. S.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
HAMER, Mr. R. D. (*Chairman, Finance and General Purposes Committee*).  
COLQUHOUN, Mr. J. C. (*Honorary Treasurer*).



**Nuclear Energy Committee**

BAILEY, Mr. G. L. (*Chairman*).  
 BURWOOD, Mr. D. S.  
 COLBECK, Mr. E. W.  
 COOK, Dr. Maurice.  
 FINNISTON, Dr. H. M.  
 HOPKIN, Mr. G. L.  
 JENKINS, Dr. Ivor.  
 MILLER, Dr. G. L.  
 QUARRELL, Professor A. G.  
 ROTHERHAM, Mr. L.  
 SMITH, Mr. S. S.  
 SMITHELLS, Dr. C. J.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
 TEED, Major P. L. (*Chairman, Publication Committee*).

**Publication Committee**

TEED, Major P. L. (*Chairman*).  
 BAKER, Dr. W. A.  
 CHRISTIAN, Dr. J. W.  
 CROWTHER, Mr. J.  
 CUTHBERTSON, Professor J. W.  
 FINNISTON, Dr. H. M.  
 FRENCH, Mr. A. R.  
 JENKINS, Dr. Ivor.  
 KEE, Mr. W. W.  
 KING, Dr. Ronald.  
 MAKOWER, Mr. A.  
 PARKER, Dr. R. T.  
 PFEL, Dr. L. B. (*representing Local Sections Committee*).  
 PHILLIPS, Mr. H. W. L.  
 POWELL, Mr. A. R.  
 SHOWELL, Mr. D. W. D.  
 SMITH, Mr. S. S.  
 WALTERS, Mr. B.

*Ex-officio :*

BALL, Major C. J. P. (*President*).  
 HAMER, Mr. R. D. (*Chairman, Finance and General Purposes Committee*).  
 COLQUHOUN, Mr. J. C. (*Honorary Treasurer*).  
 O'NEILL, Professor H. (*Chairman, Metal Physics Committee*).  
 FORD, Professor H. (*Chairman, Metallurgical Engineering Committee*).

**Medal Committee**

PRESIDENT (*Chairman*).  
 SENIOR VICE-PRESIDENT

and

Not more than four Institute of Metals (Platinum) Medallists who are, or have been, members of the Council (to be selected by the President), with power to the President to co-opt not more than two other persons.

**Nominations Committee**

PRESIDENT (*Chairman*).  
 TWO IMMEDIATE PAST-PRESIDENTS.  
 SENIOR VICE-PRESIDENT.

**Staff Committee**

PRESIDENT.  
 CHAIRMAN, FINANCE AND GENERAL PURPOSES COMMITTEE.  
 HONORARY TREASURER.

**PERSONAL NOTES**

MR. G. L. BAILEY, Director of the British Non-Ferrous Metals Research Association, has been elected President of the Institution of Metallurgists for the year 1956-57.

DR. D. K. CRAMPTON, Director of Research and Development, Chase Brass and Copper Co., Inc., is to deliver the fifth Gillett Memorial Lecture to the American Society for Testing Materials. His subject will be "Structural Chemistry and Metallurgy of Copper".

MR. A. S. DARLING has been awarded the degree of Ph.D. in the Faculty of Engineering, London University.

MR. W. R. P. KING, Works Manager of The Mint, Birmingham, Ltd., has been appointed a Director of the Company.

MISS DOROTHY PILE has taken up the appointment of Technical Information Officer to the British Jewellers' Association and is in charge of the recently formed Technical Department.

MR. N. B. RUTHERFORD has left the British Oxygen Engineering Co., Edmonton, to become Personal Assistant to the Research Manager of Thomas Bolton and Sons, Ltd., Froghall, Staffs.

MR. J. SIMPSON has left the Morgan Crucible Co., Ltd., and is now Junior Metallurgist with Baker Platinum Division, Engelhard Industries, Ltd., London, S.E.11.

DR. C. SYKES, Managing Director of Thos. Firth and John Brown, Ltd., has been awarded the Bessemer Gold Medal for 1956 by The Iron and Steel Institute. The award has been made in recognition of his distinguished contributions to the study of alloy systems, particularly in the field of order-disorder changes, and the effect of such changes on the physical properties of alloys.

MR. H. H. SYMONDS has left Aldis Brothers, Ltd., to take up an appointment as Chief Metallurgist to the Birmingham Battery and Metal Co., Ltd.

MR. L. H. WALKER has left England to take up an appointment with Reynolds Metal Company, Louisville, Ky., U.S.A.

MR. E. WALLACE has been appointed Manager of the Special Alloys Division of Dewrance and Co., Ltd., London, S.E.1. He was previously Chief Development and Research Engineer.

**NEWS OF LOCAL SECTIONS  
AND ASSOCIATED SOCIETIES**

**Local Section Officers and Committees for  
Session 1956-57**

**Birmingham Local Section**

*Chairman:* H. W. G. Hignett, B.Sc., F.R.I.C., F.I.M.  
*Vice-Chairman and Representative on Co-ordinating Committee:*  
 C. E. Homer, Ph.D., B.Sc., F.I.M.  
*Honorary Secretary:* A. W. Matthews, A.I.M.  
*Honorary Assistant Secretary:* L. G. Tottle, A.R.Ac.S., L.I.M.  
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